TRANSMITTAL for UNDERGRADUATE PROGRAMS:
Changes or Proposals

I. INFORMATION:

1. Program Title: Chemistry-ACS
2. Department(s): Chemistry
3. College(s): CAS
4. Proposal prepared by: Karl Peterson  Date: 4/15/2014
5. Check all that apply
   - [ ] New program
   - [ ] Change in course name
   - [ ] Change in major
   - [ ] Change in course content
   - [ ] Existing program
   - [ ] Change in number of credits
   - [ ] Change in minor
   - [ ] Change in emphasis/option

6. Other Programs/Departments Consulted (Requires letters of comment from all Departments or Programs substantially affected):

   a. 
   b. 
   c. 
   d. 

7. Catalog year (and semester) of Implementation:
   Semester: FA  Year: 2014

8. Have all courses in this program been approved?  Yes [X]  No 

   If “No” which courses have not been approved? CHEM 380

9. Attach Request Narrative
   Include in narrative on attached pages a rationale for the requested changes or creation of program.
   Include clarification concerning any courses that have not yet been approved. If requesting a program change also include a listing of course array for both the current and proposed program.

10. UNIT APPROVALS: Requires signatures of all Department Chairs and Deans whose programs will be substantially affected by the changes or proposal. Signature lines for the affected Departments and Colleges (notated in “6” above), are on the addendum to this form. These signatures should be obtained prior to review by all other shared governance levels.

   Signature  Date
   Department Curriculum Committee Chair (optional) Karl Peterson  4/15/2014
   Department/Program Chair ____________________________ 4/15/2014
   College Curriculum Committee Chair ____________________________ 4/23/14
   Dean of College ________________  4/23/14
   University Curriculum Cmmt. Chair Alex Tyan  4/25/14
   Academic Policy & Program Cmmt. Chair ____________________________
   Faculty Senate Chair ____________________________
   Provost / Vice Chancellor ____________________________
   Chancellor ____________________________

*NOTE: The master copy of this transmittal & accompanying documents must be filed in the Provost’s office upon final approval. The Provost’s office will notify all appropriate administrative offices [Registrar, Dean(s), Department Chair(s)] of approvals & necessary actions to implement changes.
Narrative for Program Change to the Chemistry-ACS, the Biochemistry-ACS, and the Biochemistry-Pre-Professional Programs

These proposed changes result from the creation of a new course, CHEM 380: Chemistry Junior Seminar (1 cr.). The results of this change increases the overall required credits in each of the majors by 1 credit. A comparison of the current Chemistry-ACS, Biochemistry-ACS, and Biochemistry-Pre-Professional programs and the corresponding proposed majors are attached to this document.

The addition of CHEM 380 will allow us to introduce the critical skills of literature searching (e.g., Reaxys, SciFinder, PubMed) and critical reading early in our curriculum, which addresses specific feedback that we obtained from our last accreditation evaluation by the American Chemical Society. Additionally, student will gain professional skills including resume and cover letter writing, searching for internships and jobs, and critical evaluation of seminars.

The Biotechnology Program and the Chemistry Department host student seminars at the same time and location. The Biotechnology Program requires a similar course (BIOT 380: Biotechnology Junior Seminar), and the Chemistry Department feels this course would benefit the chemistry students as well. The additional 1 credit will not significantly increase the total credits to graduate as these broad field majors do not require a minor. The follow table summarizes the current and proposed credit requirements for the different programs:

<table>
<thead>
<tr>
<th></th>
<th>Chemistry-ACS</th>
<th>Biochemistry-ACS</th>
<th>Biochemistry-PreProf.</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td>29-34 cr</td>
<td>29-34 cr</td>
<td>29-34 cr</td>
</tr>
<tr>
<td>Liberal Arts</td>
<td>8-11 cr</td>
<td>8-11 cr</td>
<td>8-11 cr</td>
</tr>
<tr>
<td>Major + RSC</td>
<td>71-74 cr</td>
<td>77-79 cr</td>
<td>68-71 cr</td>
</tr>
<tr>
<td>Total</td>
<td>108-119 cr</td>
<td>114-124 cr</td>
<td>105-116 cr</td>
</tr>
</tbody>
</table>

<sup>1</sup> Note S and SL course will double count with the major. M course will double count with the required supporting courses.

<sup>2</sup> Assumes that the University requirements double counted.

Proposed

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<tr>
<td>Major + RSC</td>
<td>72-75 cr</td>
<td>78-80 cr</td>
<td>69-72 cr</td>
</tr>
<tr>
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<td>115-125 cr</td>
<td>106-117 cr</td>
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